

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
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Application Serial Number: 10/581/703
Source: IFWP
Date Processed by STIC: 6/14/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 06/14/2006

PATENT APPLICATION: US/10/581,703

TIME: 10:13:35

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\06142006\J581703.raw

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3 <110> APPLICANT: Icon Genetics AG
4   Muhlbauer, Stefan
6 <120> TITLE OF INVENTION: Controlling Gene Expression in Plastids
8 <130> FILE REFERENCE: PCT-13034
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/581,703
C--> 11 <141> CURRENT FILING DATE: 2006-06-02
13 <150> PRIOR APPLICATION NUMBER: PCT/EP03/13656
14 <151> PRIOR FILING DATE: 2003-12-03
16 <160> NUMBER OF SEQ ID NOS: 21
18 <170> SOFTWARE: PatentIn version 3.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 29
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: PCR primer
28 <400> SEQUENCE: 1
29 gaccatggaa ccagtaacgt tatacgatg                29
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 26
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: PCR primer
40 <400> SEQUENCE: 2
41 cactgcagtc actgcccgtt ttccag                26
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 40
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: PCR primer
52 <400> SEQUENCE: 3
53 acgattgtga gcggaataca atatatttct gggagcgaac    40
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 21
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: PCR primer
64 <400> SEQUENCE: 4
65 caatcccacg agcctcttat c                      21
68 <210> SEQ ID NO: 5

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69 <211> LENGTH: 29
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: PCR primer
76 <400> SEQUENCE: 5
77 gaccatggct agattagata aaagtaaag 29
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 32
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: PCR primer
88 <400> SEQUENCE: 6
89 cactgcagtt aagaccact ttcacattta ag 32
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 40
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: PCR primer
100 <400> SEQUENCE: 7
101 acgtccctat cagtgataga gtatatttct gggagcgaac 40
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 21
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: PCR primer
112 <400> SEQUENCE: 8
113 caatcccacg agcctcttat c 21
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 36
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: riboswitch
124 <400> SEQUENCE: 9
125 agatgatacc agccgaaagg cccttggcag ctctcg 36
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 78
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: PCR primer
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139 tgagtaaagg agaagaac 78
142 <210> SEQ ID NO: 11

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143 <211> LENGTH: 33
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145 <213> ORGANISM: Artificial Sequence
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151 tatgagctct tatttqtata gttatccat gcc 33
154 <210> SEQ ID NO: 12
155 <211> LENGTH: 89
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: cloning oligo
162 <400> SEQUENCE: 12
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170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: cloning oligo
176 <400> SEQUENCE: 13
177 tttcggccgt ctagagatat atggtagtag taagttaatt ttcattaacc accactacca 60
179 atcacctcct ggatttgggt cgcccggagt tcgctccag aaatatattg 110
182 <210> SEQ ID NO: 14
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184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: cloning oligo
190 <400> SEQUENCE: 14
191 tttcggccgt cgttcaatga gaatggataa gaggtcgtg ggattgacgt gagggggcag 60
193 ggatggctat atttctggga gcgaacggaa atgctagcca tatgtatata tcc 113
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198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: cloning oligo
204 <400> SEQUENCE: 15
205 tttcggccgc cgctcgttcaa tgagaatgga taagaggctc gtgggattga cgattgtgag 60
207 cggataacaa tatatttctg ggagcgaacg gagatataca tatggctagc atttcc 116
210 <210> SEQ ID NO: 16
211 <211> LENGTH: 11
212 <212> TYPE: PRT
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: membrane translocation sequence

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218 <400> SEQUENCE: 16
220 Arg Arg Arg Arg Arg Arg Arg Arg Arg Arg Arg
221 1          5          10
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225 <211> LENGTH: 27
226 <212> TYPE: PRT
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: membrane translocation sequence
232 <400> SEQUENCE: 17
234 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Lys Ile Asn Leu
235 1          5          10          15
238 Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
239          20          25
242 <210> SEQ ID NO: 18
243 <211> LENGTH: 9
244 <212> TYPE: PRT
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: membrane translocation sequence
250 <400> SEQUENCE: 18
252 Arg Lys Lys Arg Arg Gln Arg Arg Arg
253 1          5
256 <210> SEQ ID NO: 19
257 <211> LENGTH: 16
258 <212> TYPE: PRT
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: membrane translocation sequence
264 <400> SEQUENCE: 19
266 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
267 1          5          10          15
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271 <211> LENGTH: 16
272 <212> TYPE: PRT
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: membrane translocation sequence
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280 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
281 1          5          10          15
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285 <211> LENGTH: 21
286 <212> TYPE: PRT
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: membrane translocation sequence
292 <400> SEQUENCE: 21
294 Lys Glu Thr Trp Trp Glu Thr Trp Trp Thr Glu Trp Ser Gln Pro Lys

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295	1	5	10	15
298	Lys	Lys	Arg	Lys Val
299		20		

VERIFICATION SUMMARY

DATE: 06/14/2006

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Input Set : A:\pto.da.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date